

## ABSTRACT

Presented is a vehicle aerostabilizer(s) that is at least partially actuated by momentum forces generated on a weight when the vehicle is decelerating as when the brakes are applied. Movement of the weight translates forces to the vehicle aerostabilizer that cause the aerostabilizer to rotate to a more vertical position thereby adding aerodynamic drag forces to help slow the vehicle. Several options to doing this are offered including two or more aerostabilizers that may or may not rotate in concert. Much is dependent upon having an aerodynamically and weight balanced aerostabilizer(s) and limits on such balance are described. Damping systems to provide smooth operation and movement of the weight(s) and the aerostabilizers are also offered.